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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/686,865	10/16/2003	Walter Schubert	S159 1030.1	7435

7590 06/14/2007
WOMBLE CARLYLE SANDRIDGE & RICE
P.O. Box 7037
Atlanta, GA 30357-0037

EXAMINER

MOSS, KERI A

ART UNIT	PAPER NUMBER
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1743

MAIL DATE	DELIVERY MODE
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06/14/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/686,865	Applicant(s) SCHUBERT, WALTER	
	Examiner Keri A. Moss	Art Unit 1743	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 3/9/07; 3/15/07.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on March 15, 2007 has been entered.

Claims 1-10 are pending.

Response to Amendment

2. The certified translation of foreign priority document under 37 CFR 1.132 filed March 9, 2007 is sufficient to overcome the rejection of claims 1-10 based upon Stillman. Therefore, the rejections under Stillman and Furuoya have been withdrawn..

Claim Interpretation

3. The language in claim 1, "a two-dimensional support" is reasonably interpreted to mean "a support having at least two dimensions" in view of the preamble language "comprising." Thus, this language encompasses supports having 2 or 3 dimensions.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1, 4-7 and 10 are rejected under 35 U.S.C. 102(b) as being anticipated by Ryan et al (WO 99/01474). Ryan teaches a method for preparing biological samples for analysis (page 1 lines 18-20) comprising the steps of placing the biological sample on a two-dimensional support (page 9 lines 22-24); applying protein-precipitating or denaturing first solution L1 to the biological sample at a first temperature T1 for a predetermined first time period Z1 (page 9 lines 16-21); leaving the protein-precipitating or denaturing solution L1 with the biological sample at a second temperature T2 for a predetermined second time period Z2 (page 9 lines 24-25), with T2 being lower than T1 and Z2 being longer, equal to or shorter than Z1; and drying the sample by freeze drying (page 8 lines 25-27). The sample is a mixture of macromolecules comprising proteins and carbohydrates. L1, ethanol, is an organic solvent. After process step (d), the biological samples are subjected to a protein determination method (page 10 lines 9-17).

6. Claims 1-6, 8-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Mansfeld et al (USP 3,670,075). Mansfeld teaches a method for preparing biological samples for analysis (column 2 lines 41-44) comprising the steps of placing the

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biological sample on a support (column 3 lines 28-30); applying protein-precipitating or denaturing first solution L1 to the biological sample at a first temperature T1 for a predetermined first time period Z1(column 3 lines 42-47); leaving the protein-precipitating or denaturing solution L1 with the biological sample at a second temperature T2 for a predetermined second time period Z2, with T2 being lower than T1 and Z2 being longer, equal to or shorter than Z1 (column 3 lines 48-50); and drying the sample (column 3 line 57). Drying of the sample may take place after placing the sample on a support by means of vacuum drying (column 3 lines 28-32). After process step b2, the sample is frozen (column 4 lines 6-7). The sample is a tissue sample (column 3 lines 19-20). L1, trichloroacetic acid is a salt solution, is an organic solvent. T1 is 50 degrees Celsius. After process step (d), the biological samples are subjected to a protein-chemical separation method (column 3 line 60-column 4 line 3).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Keri A. Moss whose telephone number is 571-272-8267. The examiner can normally be reached on 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on (571)272-1700. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



BRIAN R. GORDON
PRIMARY EXAMINER

Keri A. Moss
Examiner
Art Unit 1743